

# COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

RADIO COMMUNICATION SYSTEM

the specification of which: *(check one)*

**REGULAR OR DESIGN APPLICATION**

- [x] is attached hereto.
- [ ] was filed on \_\_\_\_\_ as application Serial No. \_\_\_\_\_ and was amended on \_\_\_\_\_ (if applicable).

**PCT FILED APPLICATION ENTERING NATIONAL STAGE**

- [ ] was described and claimed in International application No. \_\_\_\_\_ filed on \_\_\_\_\_ and as amended on \_\_\_\_\_ (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

**PRIORITY CLAIM**

I hereby claim foreign priority benefits under 35 USC 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

**PRIOR FOREIGN APPLICATION(S)**

| Country | Application Number | Date of Filing<br>(day, month, year) | Priority Claimed |
|---------|--------------------|--------------------------------------|------------------|
| Japan   | 25128/2000         | 2/2/2000                             | yes              |
|         |                    |                                      |                  |

*(Complete this part only if this is a continuing application.)*

I hereby claim the benefit under 35 USC 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 USC 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

| (Application Serial No.) | (Filing Date) | (Status--patented, pending, abandoned) |
|--------------------------|---------------|--|
|                          |               |  |

**POWER OF ATTORNEY**

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from \_\_\_\_\_ as to any action to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

As a named inventor, I hereby appoint the following attorney(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: Robert J. PATCH, Reg. No. 17,355, Andrew J. PATCH, Reg. No. 32,925, Robert F. HARGEST, Reg. No. 25,590, Benoît CASTEL, Reg. No. 35,041, Eric JENSEN, Reg. No. 37,855, and Thomas W. PERKINS, Reg. No. 33,027, c/o YOUNG & THOMPSON, Second Floor, 745 South 23rd Street, Arlington, Virginia 22202.

Address all telephone calls to Young & Thompson at 703/521-2297.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor: JUNICHI KOSUGI  
(given name, family name)



Date January 31, 2001

Inventor's signature

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Inventor's signature

Date

Residence:

Citizenship:

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Full name of third joint inventor, if any:  
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Inventor's signature

Date

Residence:

Citizenship:

Post Office Address:

## RADIO COMMUNICATION SYSTEM

### BACKGROUND OF THE INVENTION

The present invention relates to a radio communication system for radio communication which comprises a base station and a mobile terminal, and is based on a CDMA system.

An IS-95A system and an IS-95B system are well-known as such a radio communication system. In the IS-95A system, a radio line which a mobile terminal uses for communication is called a traffic channel. In the CDMA method, necessary qualities of communication through communication channels must be at the lowest level so as to assure a line capacity. For this purpose, a fast power control is requested for, in particular, a reverse line. In the IS-95A system, in order to assure the line capacity, a power control signal "power control bit" is inserted to a forward traffic channel to receive signals from all mobile terminals at a base station with the same quality, thereby controlling transmission powers of the mobile terminals.

If the signal received by one base station has an insufficient-quality signal, the base station inserts "0" to the forward traffic channel as the power control bit and transmits it. If the signal received by one base station has an excessive-quality signal, the base station inserts "1" to the forward traffic channel as the power control bit and transmits it. When the power control bit "0" is received, the mobile terminal increases the transmission power. When the power control bit "1" is received, the mobile terminal decreases the transmission power. In the IS-95A system, because a maximum value of the transmission

## INVENTOR INFORMATION

|                             |                               |
|-----------------------------|-------------------------------|
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## APPLICATION INFORMATION

|                        |                            |
|------------------------|----------------------------|
| Title Line One::       | RADIO COMMUNICATION SYSTEM |
| Total Drawing Sheets:: | 8                          |
| Formal Drawings?::     | Yes                        |
| Application Type::     | UTILITY                    |
| Docket Number::        | WN-2300                    |

## REPRESENTATIVE INFORMATION

Representative Customer Number:: 000466

## PRIOR FOREIGN APPLICATION

|                           |                  |
|---------------------------|------------------|
| Foreign Application One:: | 25128/2000       |
| Filing Date::             | FEBRUARY 2, 2000 |
| Country::                 | JAPAN            |
| Priority Claimed::        | Yes              |